

AMENDMENT

IN THE CLAIMS:

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Please cancel claim 1, without prejudice. Please amend claims 2-4, 10, 12, and 17 pursuant to 37 C.F.R. §1.121 as follows (*see* the accompanying "marked up" version pursuant to 1.121):

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2. (Amended) The method of claim 3, wherein the vector particle is a retroviral vector particle comprising a modified retroviral genome containing the gene of interest.

A1

3. (Amended) A method for transducing stem cells with a vector particle containing a gene of interest, which method comprises contacting target stem cells with vector particles pseudotyped with feline endogenous virus RD114 envelope protein and containing a gene of interest, wherein the vector particles are substantially free of factors that induce stem cell differentiation by being substantially free of producer cells and producer cell supernatant, and whereby the transduced stem cells are capable of expressing the gene of interest.

4. (Amended) The method of claim 2, wherein the retroviral particles are pre-adsorbed onto a surface that promotes adherence of the retroviral particles.

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A2

10. (Amended) The method of claim 3 wherein the target stem cells are pre-stimulated.

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